AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Original) A conveying system, comprising:

a conveying member having friction resistant properties;

a support structure for supporting the conveying member;

a driving unit for generating a conveying motion, the driving unit being attached to the support structure;

at least one securing member for rigidly securing the conveying member to the support structure; and

at least one biasing member for allowing relative movement between the conveying member and the support structure along a first axis and for preventing relative movement between the conveying member and the support structure in any direction other than along the first axis,

wherein the driving unit is capable of producing a conveying motion in the conveying member to advance materials along the conveying member in the conveying direction.

2. (Original) A conveying system, according to claim 1, wherein the conveying member has a dynamic coefficient of friction on polished steel which is in a range of about 0.1 to 0.22.

3. (Original) A conveying system, according to claim 1, wherein the conveying member is a trough and the conveying direction is substantially parallel to a lengthwise direction of the trough.

4. (Original) A conveying system, according to claim 1, wherein the conveying member has anti-static properties.

5. (Original) A conveying system, according to claim 1, wherein the conveying member is made substantially from an ultra-high-molecular-weight polyethylene material.

6. (Original) A conveying system, according to claim 1, wherein the conveying motion is described by the function:

$$f(t)=2sin(\omega_1 t)-sin(2\omega_2 t)$$

wherein:

t = time;

ω_1 = an angular velocity of a first axis rotating about a second axis; and

ω_2 = an angular velocity of a first connection rotating about said first axis.

7.-18. (Canceled)

19. (Original) A conveying assembly comprising:

a conveying member which consists primarily of a material having friction resistant properties;

a support structure for supporting the conveying member;

at least one securing member for rigidly securing the conveying member to the support structure; and

at least one biasing member for allowing relative movement between the conveying member and the support structure along a first axis and for preventing relative movement between the conveying member and the support structure in any direction other than along the first axis.

20. (Previously Presented) A conveying assembly, according to claim 19, wherein the conveying member has a dynamic coefficient of friction on polished steel which is in a range of about 0.1 to 0.22.

21. (Original) A conveying assembly, according to claim 19, wherein the conveying member has anti-static properties.

22. (Original) A conveying assembly, according to claim 19, wherein the conveying member is a trough and the conveying direction is substantially parallel to a lengthwise direction of the trough.

23. (Original) A conveying assembly, according to claim 19, wherein the conveying member is made from an ultra-high-molecular-weight polyethylene material.

24.-30. (Canceled)